

CLAIMS

Now, therefore, the following is claimed:

1 1. A system for controlling electronic devices based on physiological
2 responses, comprising:

3 a sensor positioned adjacent to an eye of a user, said sensor configured to
4 detect a physiological response of said user and to transmit, in response to a detection
5 of said physiological response, a signal indicative of said physiological response; and
6 a controller configured to receive said signal and to control an electronic
7 device based on said signal.

1 2. The system of claim 1, wherein said controller is configured to
2 determine a value indicative of an excitement level of said user based on said signal
3 and to control said electronic device based on said value.

1 3. The system of claim 1, wherein said physiological response is a blink
2 of an eyelid of said user.

1 4. The system of claim 1, wherein said physiological response is
2 involuntary.

1 5. The system of claim 4, wherein said physiological response is
2 indicative of an excitement level of said user.

1 6. The system of claim 1, further comprising a contact lens coupled to
2 said sensor.

1 7. The system of claim 1, wherein said electronic device is a camera.

1 8. The system of claim 1, further comprising an antenna coupled to said
2 contact lens.

1 9. The system of claim 8, wherein said sensor is configured to transmit
2 said signal to said controller via said antenna.

1 10. The system of claim 1, wherein said sensor comprises a switch that is
2 positioned within a path of movement of an eyelid of said user, said switch activated
3 when said user blinks said eyelid.

1 11. The system of claim 10, wherein said switch is coupled to said
2 electronic device.

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1 12. A system for controlling electronic devices based on physiological
2 responses, comprising:
3 a contact lens;
4 a sensor coupled to said contact lens, said sensor configured to detect a
5 physiological response of said user and to transmit, in response to a detection of said
6 physiological response, a signal indicative of said physiological response; and
7 a controller configured to receive said signal and to control an electronic
8 device based on said signal.

1 13. The system of claim 12, wherein said electronic device is a camera.

1 14. The system of claim 12, wherein said sensor comprises a switch that is
2 positioned within a path of movement of an eyelid of said user, said switch activated
3 when said user blinks said eyelid.

1 15. A method for controlling electronic devices based on physiological
2 responses, comprising the steps of:
3 positioning a sensor adjacent to an eye of a user;
4 detecting, via said sensor, a physiological response of said user; and
5 automatically controlling an electronic device based on said detecting step.

1 16. The method of claim 15, wherein said sensor is coupled to a contact
2 lens.

1 17. The method of claim 15, further comprising the step of counting, via
2 said sensor, a number of eye blinks performed by said user within a specified time
3 period, wherein said controlling step is based on said counting step.

1 18. The method of claim 15, further comprising the steps of:
2 determining a value indicative of an excitement level of said user based on
3 said based on said detecting step,
4 wherein said controlling step is based on said value determined in said
5 determining step.

1 19. The method of claim 15, wherein said electronic device is a camera.

1 20. A system, comprising:
2 a camera;
3 a sensor configured to detect a physiological response of a user; and
4 a controller configured to cause said camera to capture an image based on a
5 detection of said physiological response by said sensor.

1 21. The system of claim 20, wherein said physiological response is
2 involuntary.

1 22. The system of claim 20, wherein said controller is further configured to
2 determine a value indicative of an excitement level of said user based on said
3 detection and to cause said camera to capture said image based on said value.

1 23. The system of claim 20, further comprising a contact lens coupled to
2 said sensor.

1 24. The system of claim 20, wherein said physiological response is a blink
2 of an eyelid of said user.

1 25. A method, comprising the steps of:
2 providing a camera;
3 detecting a physiological response of a user of said camera; and
4 automatically causing said camera to capture an image based on said detecting
5 step.

1 26. The method of claim 25, wherein said physiological response is
2 involuntary.

1 27. The method of claim 26, further comprising the step of determining,
2 based on said detecting step, a value indicative of an excitement level of said user,
3 wherein said causing step is performed based on said value.

1 28. The method of claim 25, wherein said detecting step is performed by a
2 sensor coupled to a contact lens.

1 29. The method of claim 25, wherein said physiological response is a blink
2 of an eyelid of said user.

TOMES/DOIT/TRA/BS/600